

Operator License #	32834	API #	15-059-26878-00-00		
Operator	JTC Oil, Inc.	Lease Name	Chase		
Address	35790 Plum Creek Road	Well #	I-3		
City	Osawatomie, KS 66064				
Contractor	JTC Oil, Inc.	Spud Date	1/22/2015		
Contractor License #	32834	Cement Date	1/29/2015		
T.D.	720'	Location	Sec 33	T 17	R 21
T.D. of pipe	699'		330 feet from	N	line
Surface pipe size	7"		990 feet from	W	line
Surface pipe depth	20'	County	Franklin		
Well Type	Injection				

Driller's Log

Thickness	Strata	From	To	
2	soil	0	2	
16	clay	2	18	
73	shale	18	91	
17	lime	91	108	
28	shale	108	136	
5	lime	136	141	
36	shale	141	177	
17	lime	177	194	
10	shale	194	204	
28	lime	204	232	
8	coal	232	240	
22	lime	240	262	
4	coal	262	266	
11	lime	266	277	
137	shale	277	414	
3	red bed	414	417	
15	shale	417	432	
13	lime	432	445	
49	shale	445	494	
4	lime	494	498	
10	shale	498	508	
2	lime	508	510	
13	black shale	510	523	
15	shale	523	538	
3	lime oil	538	541	ok
3	lime oil	541	544	good
3	lime oil	544	547	good
43	shale	547	590	
32	black shale	590	622	
3	sandy	622	625	
3	sand	625	628	ok
2	sandy shale	628	630	
36	shale	630	666	
2	oil sand	666	668	good

2	oil sand	668	670	v-good
2	oil sand	670	672	v-good
2	oil sand	672	674	good
2	oil sand/shale	674	676	broken
44	black shale	676	720	